

CLAIMS.

Claim 1 is Currently Amended.

Claim 2 is Canceled.

Claims 3 to 5 are Currently Amended.

Claim 6 is Canceled.

Claim 7 is Currently Amended.

Claims 8 to 13 are Canceled.

Claims 14 to 21 are New.

Total Number of Claims: 13

Total Number of Independent Claims: 1

[Claim 1]. (Currently Amended). A topical skin darkening ~~or skin tanning~~ composition comprising:

- (i) ~~At least one~~ A tyrosinase substrate ~~composition agent~~ for melanin synthesis boost, and
- (ii) ~~At least one~~ A tyrosinase activator ~~composition agent~~. and (iii) ~~A~~ cosmetically or pharmaceutically suitable carrier composition or delivery system.

[Claim 2]. (Canceled).

[Claim 3]. (Currently Amended). A composition according to claim 1, wherein

- (i) ~~From about 0.0001% to about 60% of at least one~~ Said tyrosinase substrate ~~composition agent~~ for melanin synthesis boost is from 0.0001 to 60 weight percent, and
- (ii) ~~From about 0.0001% to about 20% of at least one~~ Said tyrosinase activator ~~composition agent~~ is from 0.0001 to 20 weight percent. and, (iii) ~~From about 1% to about 99% of a cosmetically or pharmaceutically suitable carrier composition or delivery system.~~

[Claim 4]. (Currently Amended). A composition according to claim 1 wherein tyrosinase substrate ~~composition agent~~ can be selected from, but not limited to

is selected from the group consisting of tyrosine, dihydroxy phenylalanine, L-DOPA, Mucuna pruriens extract, and catechol and their chemical derivatives.

[Claim 5]. (Currently Amended). A composition according to claim 1 wherein tyrosinase activator ~~composition agent~~ can be selected from, but not limited to is selected from copper ATP Adenosine Triphosphate, Glutathione, Cystine, Cysteine, N-Acetyl-Cystine, N-Acetyl-Cysteine, copper cystine complex, copper cysteine complex, copper N-acetyl-cystine complex, copper N-acetyl-cysteine complex, copper tyrosine complex, copper L-DOPA 3,4-Dihydroxy-L-Phenylalanine complex, copper Mucuna pruriens complex, copper glutathione complex, copper carnosine complex, ~~various copper chelates in which copper is concurrently bound with both oxygen and nitrogen electron donors,~~ and combinations thereof.

[Claim 6]. (Canceled).

[Claim 7]. (Currently Amended). A composition according to claim 1, wherein a cosmetically acceptable delivery system or a carrier base is included. ~~can be selected in the form of a lotion, cream, gel, spray, thin liquid, body splash, mask, serum, solid cosmetic stick, lip balm, shampoo, liquid soap, bar soap, bath oil, cologne, hair conditioner, salve, colloidion, impregnated patch, impregnated strip, skin surface implant, and any other such cosmetically or pharmaceutically acceptable topical delivery forms.~~

[Claim 8]. (Canceled).

[Claim 9]. (Canceled).

[Claim 10]. (Canceled).

[Claim 11]. (Canceled).

[Claim 12]. (Canceled).

[Claim 13]. (Canceled).

[Claim 14]. (New). A composition according to claim 1, wherein said tyrosinase substrate agent is *Mucuna pruriens* extract.

[Claim 15]. (New). A composition according to claim 1, wherein said tyrosinase activator agent is copper adenosine triphosphate.

[Claim 16]. (New). A composition according to claim 4, wherein said tyrosinase substrate agent is *Mucuna pruriens* extract.

[Claim 17]. (New). A composition according to claim 5, wherein said tyrosinase activator agent is copper adenosine triphosphate.

[Claim 18]. (New). A composition according to claim 7, wherein a cosmetically acceptable delivery system is selected from the group comprising lotion, cream, gel, spray, thin liquid, body splash, mask, serum, solid cosmetic stick, lip balm, shampoo, liquid soap, bar soap, bath oil, cologne, hair conditioner, salve, collodion, impregnated patch, impregnated strip, or skin surface implant.

[Claim 19]. (New). The compositions according to claim 7, wherein the cosmetically or pharmaceutically acceptable carrier base is selected from the group comprising traditional water and oil emulsions, suspensions, colloids, microemulsions, clear solutions, suspensions of nanoparticles, emulsions of nanoparticles, powders, or anhydrous compositions.

[Claim 20]. (New). A composition according to claim 16, wherein said delivery system is a lotion.

[Claim 21]. (New). The compositions according to claim 17, wherein said carrier base is a traditional water and oil emulsion.